



KN09105 – 2005-2012 Nissan Xterra/Frontier 2" Lift



Shown above: S Model with KN09105 2" lift and 32X10.50X16 BFG AT's

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Tools required
Description:
Standard sockets, hand tools Etc.
Hydraulic Lift is Recommended
Floor Jacks / Jack Stands
Ball joint separator

Bill of Materials		
Part #	Description	Qty
S11014	SHACKLES (REAR)	2
M03678	SPRING BUSHING	4
M03679	SPRING BUSHING	4
S11010	STEEL TUBING 0.584X0.750X3.950	2
S11011	STEEL TUBING 0.584X0.750X2.865	2
S10205	9/16-12 NYLOCK NUTS	4
S10199	9/16-12 X 4-1/2" GR5 GREASABLE BOLT	2
S10388	9/16-12 X 5-1/2" GR5 GREASABLE BOLT	2
S11015	9/16 SAE NARROW WASHER	8
M20463	STRUT SPACER (FRONT)	2
S11134	STUD EXTENDERS	6
S10077	7/16 SAE NARROW WASHER (FRONT)	6

## INSTALLATION INSTRUCTIONS

(Not to be used with a lifted or altered suspension)

1. Read instructions completely, verify bill of materials and determine if you have the correct tools before beginning installation.

### ***Front Installation***

2. Raise vehicle until front tires are clear, support the vehicle.
3. Remove the front tire and wheel assembly.
4. Remove the lower stabilizer link bolt and move sway-bar assembly out of way.
5. Remove the upper ball joint nut.
6. Separate the upper ball joint from the spindle.
7. Remove upper strut nuts on the strut tower(3) on each side of the vehicle that holds the strut assembly to the strut tower ( Hint: Leave one nut on to prevent the strut from dropping out in the next step.)
8. Remove lower strut bolt from the lower control arm and remove the strut assembly from vehicle. (Note the direction of the bolt for reinstallation)
9. Install the 3 stud extenders with the M20463 spacer on top of the strut assembly.
10. Install the strut assembly and start the upper three 10mm nuts and washer.
11. Install the lower strut bolt in the original position that it was removed.
12. Using the floor jack, raise the lower control arm and connect the upper ball joint on the upper control arm to the spindle. Torque per OEM specifications.
13. Reconnect the sway bar end links.



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### **Rear Installation**

14. Remove spare tire.
15. Raise vehicle until rear tires are clear, support the vehicle.
16. Remove rear sway-bar bolt and swing the bar and linkage out of the way. Remove the shocks.
17. Support the rear axle and remove the OE shackles and OE spring bushings.
18. Install new Daystar Greaseable shackles. See Fig 2.
19. Reconnect the sway bar and install **optional** new shocks (22in. extend length, 13.5 compressed Eyelet/Eyelet)
20. Torque all bolts to factory specs and check after 50 miles.
21. After installation of kit; alignment should be checked and adjusted if necessary.

**IMPORTANT NOTE:** The advertised amount of lift that this kit provides and the thickness of the spacers supplied will not be the same! For example, a 2-1/2" lift may only have 1-1/2" thick spacers. The reason for the difference between the spacer thickness and the amount of lift has to do with suspension geometry. There is a ratio involved, and it is this ratio that determines the thickness of the spacers. Rest assured, installing the spacer supplied will result in the proper amount of lift out at the wheel.

### **WARNING**

This vehicle has been modified to enhance its performance. The steering, braking and handling of this vehicle will differ from standard passenger cars and trucks. This vehicle handles differently from an ordinary vehicle in driving conditions which may occur on streets, highways and off road.

Avoid unnecessary abrupt maneuvers, sudden stops, sharp turns and other driving conditions that could cause loss of control, possibly leading to a roll over or other accident that could result in serious injury or death to driver and passengers.

If larger tires are installed the speedometer will read lower than the vehicles actual speed.

**DRIVE WITH CARE, REDUCE SPEED  
AND WEAR SEAT BELTS AT ALL TIMES.**

*This kit should be installed by a professional mechanic.*

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